

1 **CLOCK WITH LUMINOUS DECORATION**

2 BACKGROUND OF THE INVENTION

3 1. Field of the Invention

4 The present invention relates to a clock with luminous decoration provided on a
5 dial to light the dial and clock hands so that a viewer can easily tell the time at night or
6 other times of darkness.

7 2. Description of Related Art

8 Conventionally, a clock is a device other than a watch for indicating or measuring
9 time commonly by means of hour, minute and second hands moving on a dial. However,
10 the time cannot normally be seen on a conventional clock in darkness or night.

11 Therefore, it is an objective of the invention to provide a clock with luminous
12 decoration provided on a dial thereof to mitigate and/or obviate the aforementioned
13 problems.

14 **SUMMARY OF THE INVENTION**

15 The main object of the present invention is to provide a clock with a luminous
16 decoration member fixedly mounted on a dial of the clock. The luminous decoration
17 member is made of a transparent material and formed in an annular shape having multiple
18 lightings fitted therearound. A layer of fluorescent material is applied on a rear side of the
19 luminous decoration member. Whereby when the luminous decoration member is exposed
20 to light emitted from the lightings, the fluorescent material applied on the luminous
21 decoration member is lit so as to emit colorful fluorescence to the surroundings thereof.
22 Therefore, a viewer can easily see the dial and clock hands of the clock in the dark or night.

23 Other objects, advantages and novel features of the invention will become more
24 apparent from the following detailed description when taken in conjunction with the

1 accompanying drawings.

2 **BRIEF DESCRIPTION OF THE DRAWINGS**

3 Fig. 1 is a perspective view of a clock with luminous decoration in accordance
4 with the invention;

5 Fig. 2 is an exploded perspective view of the clock with luminous decoration in
6 accordance with the invention;

7 Fig. 3 is a partial cross sectional view of the clock in accordance with the
8 invention;

9 Fig. 4 is a front side view of a first embodiment of the clock in accordance with the
10 invention;

11 Fig. 5 is a front side view of a second embodiment of the clock in accordance with
12 the invention; and

13 Fig. 6 is a front side view of a third embodiment of the clock in accordance with
14 the invention.

15 **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT**

16 As shown in Figs 1 and 2, the present invention relates to a clock (10) having a
17 housing (11), a dial (12) and clock hands (13) moving on the dial (12), and particularly
18 having a luminous decoration member (20) provided on the dial (12).

19 The dial (12) is defined with multiple equal-spaced positioning holes (14)
20 distributed around a peripheral edge thereof, and multiple equal-spaced through holes (15)
21 also distributed around the peripheral edge thereof.

22 The luminous decoration member (20) is optionally made of transparent material
23 and formed in an annular shape having multiple equal-spaced recesses (22) defined therein
24 corresponding to the multiple through holes (15) and multiple equal-spaced positioning

1 posts (24) formed thereon corresponding to the multiple positioning holes (14). A layer of
2 fluorescent material (21) is applied on a rear side of the luminous decoration member (20).

3 Multiple lightings (30) are respectively fitted in the multiple recesses (22). Each
4 one of the lightings (30) has two terminal pins (31) extended through the through hole (15)
5 and electrically connected to terminals of a power supply provided in the housing (11).

6 With reference to Fig. 3 the rear side of the luminous decoration member (20) is
7 abutted against a front side the dial (12) and fixed on the dial (12) by means of positioning
8 posts (24) respectively fixed into the positioning holes (14). Multiple fasteners (26) are
9 respectively threaded into internal threads (25) defined in the multiple positioning posts
10 (24).

11 The lightings (30) are optionally light-emitting diodes with identical or different
12 colors. When the lightings (30) are providing or emitting identical light or colorful lights
13 on the luminous decoration member (20), the fluorescent material (21) applied on the
14 luminous decoration member (20) is lit so as to emit fluorescence to the surroundings
15 thereof. Therefore, the dial (12) and the clock hands (13) can be easily observed in the dark
16 or night.

17 As shown in Fig.4, a first embodiment of the clock (10) of the invention comprises
18 two of the lightings (30) fitted in the luminous decoration member (20). As shown in Fig. 5,
19 a second embodiment of the clock (10) of the invention comprises three of the lightings (30)
20 provided around the luminous decoration member (20). As shown in Fig. 6, a third
21 embodiment of the clock (10) of the invention comprises six of the lightings (30) provided
22 around the luminous decoration member (20).

23 It is to be understood, however, that even though numerous characteristics and
24 advantages of the present invention have been set forth in the foregoing description,

- 1 together with details of the structure and function of the invention, the disclosure is
- 2 illustrative only, and changes may be made in detail, especially in matters of shape, size,
- 3 and arrangement of parts within the principles of the invention to the full extent indicated
- 4 by the broad general meaning of the terms in which the appended claims are expressed.